

# Converting Colors

XYZ(39.5926, 20.2824, 7.6530)

Have a look what the booklet for  
XYZ(39.5926, 20.2824, 7.6530)  
contains.

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# Color

**XYZ(39.4633, 20.2164,  
7.6166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F70046
RGB	247, 0, 70
RGB Percent	97%, 0%, 27%
CMY	0.0314, 0.9997, 0.7255
CMYK	0.00, 1.00, 0.72, 0.03
HSL	343°, 100%, 48%
HSV	343°, 100%, 97%
XYZ	39.4633, 20.2164, 7.6166
YIQ	81.8330, 124.7420, 74.1340

# Conversions

## Conversions Part 2

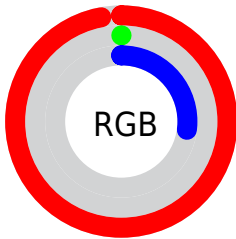
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 0, 70
Decimal	16187462
CIE <sub>Lab</sub>	52.08, 79.56, 34.97
CIE <sub>LCh</sub>	52, 86.906, 23.730
Yxy	20.2164, 0.5864, 0.3004
Android (android.graphics.Color)	4294377542 (0xFFFF70046)
YUV	81.8330, -5.8337, 144.8515
Hunter-Lab	44.9627, 77.9831, 21.4302

# Details

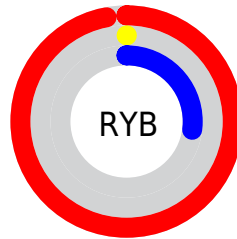
The XYZ color **39.4633, 20.2164, 7.6166** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.2037, 69.6985, 52.9106**, and the grayscale version is **7.9878, 8.4037, 9.1517**.

A 20% lighter version of the original color is **48.6929, 30.9337, 20.5440**, and **19.2657, 9.9076, 1.9956** is the 20% darker color. If you saturate the color by 10%, you get **39.4615, 20.2156, 7.6087**, and if you desaturate by 10%, it is **40.4494, 21.1591, 11.1208**.

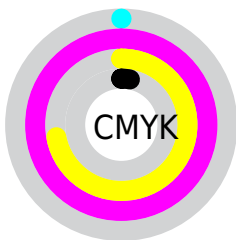
# Distribution



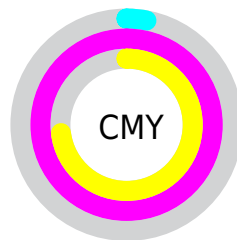
- Red (97%)
- Green (0%)
- Blue (27%)



- Red (97%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4633, 20.2164, 7.6166 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.4633, 20.2164, 7.6166 by changing the saturation by 10% instead.





 39.4633, 20.2164,  
7.6166

 39.4633, 20.2164,  
7.6166


335.0296,  
253.0842, 182.5140


 27.3027, 12.5524,  
3.7664


 73.6351, 43.7797,  
21.7369


 17.9384, 7.1211,  
1.4981


 96.3770, 60.4478,  
32.8442


 11.0052, 3.5379,  
0.2165


 123.3767, 80.8861,  
47.2074

 6.1377, 1.4186,  
0.0000

 154.9995,  
105.4790, 65.2454

 2.9704, 0.2304,  
0.0000

 191.6109,  
134.6109, 87.3764

 1.1381, 0.0000,  
0.0000

 233.5761,

 0.0567, 0.0000,

168.6661, 114.0192

0.0000

281.2606,  
208.0291, 145.5922

■ 0.0000, 0.0000,  
0.0000

■ 39.4633, 20.2164,  
7.6166

■ 39.4633, 20.2164,  
7.6166

■ 39.4615, 20.2156,  
7.6087

■ 40.4494, 21.1591,  
11.1208

■ 42.0464, 23.0382,  
15.7061

■ 44.3998, 26.1268,  
21.4793

■ 47.6010, 30.5901,  
28.5244

■ 51.7277, 36.5675,  
36.9165

■ 56.8483, 44.1811,  
46.7245

■ 63.0247, 53.5402,  
58.0121

■ 70.3133, 64.7449,  
70.8391

■ 78.7668, 77.8875,  
85.2620

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.6704, 20.2164, 27.7949



39.4633, 20.2164, 7.6166



31.1872, 20.2164, 1.4415

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.4633, 20.2164, 7.6166



8.4760, 20.2164, 3.9073



17.4104, 20.2164, 115.1533

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.4633, 20.2164, 7.6166



41.2037, 69.6985, 52.9106

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.7818, 20.2164, 89.6432



39.4633, 20.2164, 7.6166



6.7508, 20.2164, 17.0930

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.4633, 20.2164, 7.6166



13.1311, 20.2164, 0.7157



7.4409, 20.2164, 48.1328



26.9367, 20.2164, 103.9605



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.4633, 20.2164, 7.6166



24.4056, 20.2164, 0.4453



7.4409, 20.2164, 48.1328



14.8182, 20.2164, 110.2068

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.4638, 20.2177, 7.6169



67.7048, 57.4780, 62.2711



34.9286, 16.0680, 89.2556



13.8617, 11.3439, 12.1902



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4638, 20.2177, 7.6169



42.4169, 21.7307, 8.1272



39.6571, 22.3725, 2.2301



16.6920, 16.5597, 18.1249



20.9223, 10.7124, 4.2994



1.8811, 0.9584, 0.6003



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.4638, 20.2177, 7.6169



42.4169, 21.7307, 8.1272



35.9693, 45.0759, 94.7999



16.6920, 16.5597, 18.1249



20.9223, 10.7124, 4.2994



1.8811, 0.9584, 0.6003



# Previews

## White Background



This preview shows how the XYZ color 39.4633, 20.2164, 7.6166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4633, 20.2164, 7.6166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4633, 20.2164, 7.6166**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4633, 20.2164, 7.6166.



This preview shows how white text looks on a background with the XYZ color 39.4633, 20.2164,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.4633, 20.2164, 7.6166

### Protanopia

19.5052, 20.6533, 16.0551

### Deuteranopia

20.9726, 20.6969, 6.7604



## Tritanopia

38.5902, 20.5295, 2.6877

# Trichromacy



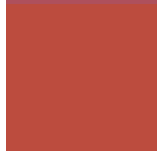
## Original Color

39.4633, 20.2164, 7.6166



## Protanomaly

22.2560, 15.5087, 11.9457



## Deuteranomaly

24.1930, 16.2080, 6.4108



## Tritanomaly

38.5886, 20.1719, 3.7792

# Monochromacy



## Original Color

39.4633, 20.2164, 7.6166



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.7585, 8.7568, 8.1728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4633, 20.2164, 7.6166 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(247, 0, 70)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 70)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(247, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4633, 20.2164, 7.6166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 0, 70) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(247, 0, 70) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(247, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 70)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.4633, 20.2164, 7.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 70) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(247, 0,  
70) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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